INDEX TO VOLUME XXXVI

Action of the Heart and Breathing during the Development of Fur Seals (*Callorhinus ursinus*), 1
Adrenal Responses to Crowding in *Peromyscus* and C57BL/10J Mice, 161
Annual Reproductive Pattern of the Frog *Rana erythraea* in Sarawak, The, 21

BÄCHLI, ELISABETH, 97
BAHN, CORDELL H., 1
BARTHOLOMEW, GEORGE A., 199
BERNARD, GEORGE R., 244
BERRIE, A. D., 167
BRONSON, F. H., 161
BURBANCK, W. D., 250

Cation and Water Balance in Crabs Showing the Terrestrial Habit, 312
Control of Changes in Body Temperature, Metabolism, and Circulation by the Agamid Lizard, *Amphibolurus barbatus*, 199

DAWSON, WILLIAM R., 104, 219

Effect of Pituitrin, Hyaluronidase, and Lysozyme on the Net Water Uptake in the Frog, 342
Effect of X-Irradiation on Goldfish. II. The Effect of Total-Body X-Irradiation on the Hematology of *Carassius auratus*, The, 370
Effects of Salinity and Temperature on Osmoregulation in Two Latitudinally Separated Populations of an Estuarine Isopod, *Cyathura polita* (Stimpson), 250
Effects of X-Ray on the Survival of *Drosophila* Imagoes, 295
ELEFTHERIOU, B. E., 161

FARMANFARMAIAN, A., 237
FIXLER, DAVID E., 244
Free Amino Acids and Related Compounds in Different Species of *Blepharisma* Perty (Ciliata: Spirostomatidae), 174

GIESE, A. C., 237
GREENBERG, BERNARD, 21
GROSS, WARREN J., 312
Growth of *Paramecium bursaria* as Influenced by the Presence of Algal Symbionts, 52
GRUMMON, ROBERT A., 361

HARRINGTON, ROBERT W., JR., 325
Hibernation in the Desert Iguana, *Dipsosaurus dorsalis*, 152
Hormones and Homing in Pigeons, 264

INGER, ROBERT F., 21
Investigations of a Growth-inhibiting Substance Affecting a Natural Population of Freshwater Snails, 167
IRVING, LAURENCE, 1

JACKSON, L. L., 370

KAHL, M. PHILIP, JR., 141
KARAKASHIAN, STEPHEN J., 52
KLEEREKOPER, H., 347

LASIEWSKI, ROBERT C., 122

MCCLUSKEY, ELWOOD S., 273
MARSHALL, JOSEPH A., 34
MOBERLY, WALTER R., 152
MOGENSEN, J., 347
MORRISON, PETER, 45

NOVICK, ALVIN, 361

Obstacle Avoidance in the Bat, *Macrotus mexicanus*, 361
Origin of the Trail in the Termites *Nasutitermes corniger* (Motschulsky) and *Zootermopsis nevadensis* (Hagen), Isoptera, 69
ORTIZ, EVELINA, 97
Oxygen Consumption of Torpid, Resting, Active, and Flying Hummingbirds, 122

PETERSON, RICHARD S., 1
PEYTON, LEONARD J., 1
Physiological Response to Heat and Dehydration in the Guanaco, 45
Physiological Responses to Temperature in the Lizard *Crotaphytus collaris*, 219
PRICE, DOROTHY, 97

Red Pteridine Pigments in the Dewlaps of Some Anoles, 97
Respiration in the Lizard *Crotaphytus collaris*, 104
Rhythms and Clocks in Harvester and Argentine Ants, 273
Role of Olfaction in the Orientation of *Petromyzon marinus*. I. Response to a Single Amine in Prey's Body Odor, 347
ROSENMANN, A. MARIO, 45

SACHER, GEORGE A., 295
SAXENA, K. N., 174
SCHMIDT-KOENIG, KLAUS, 264
SCHNIEDEN, H., 342
SEGAL, EARL, 250
SESHACHAR, B. R., 174
SHECHMEISTER, I. L., 370
Sound-producing Organ of the Squirrelfish, *Holocentrus rufus*, 34

Straus, Lorna P., 183
Stuart, A. M., *69*, 85
Studies of the Communication of Alarm in the Termite *Zootermopsis nevadensis* (Hagen), Isoptera, 85
Study of the Fine Structure of the So-called Chloride Cell in the Gill of the Guppy *Lebistes reticulatus* P., A, 183

Templeton, James R., 104, 219
Thermal Tolerance and Acclimation in the Western Purple Sea Urchin, *Strongylocentrotus purpuratus*, 237
Thermoregulation in the Wood Stork, with Special Reference to the Role of the Legs, 141
Tucker, Vance A., 199
Twenty-four-Hour Rhythms of Internal Self-fertilization and of Oviposition by Hermaphrodites of *Rivulus marmoratus*, 325

Uric Acid Content of *Drosophila melanogaster* during and after Metamorphosis, 244

Visser, S. A., 167

Watson, L. J., 370
Williams-Ashman, H. G., 97
Winn, Howard E., 34